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(11)

EP 0 831 669 A3

(12)

## EUROPEAN PATENT APPLICATION

(88) Date of publication A3:  
01.12.1999 Bulletin 1999/48

(51) Int Cl. 6: H04Q 7/38, H04L 12/64

(43) Date of publication A2:  
25.03.1998 Bulletin 1998/13

(21) Application number: 97307132.7

(22) Date of filing: 15.09.1997

(84) Designated Contracting States:  
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC  
NL PT SE

- Rikkinen, Karl  
90100 Oulu (FI)

(30) Priority: 20.09.1996 US 716997

(74) Representative: Haws, Helen Louise et al  
Nokia IPR Department  
Nokia (UK) Limited  
Summit Avenue  
Southwood  
Farnborough Hampshire GU14 0NZ (GB)

(71) Applicant: NOKIA MOBILE PHONES LTD.  
02150 Espoo (FI)

(72) Inventors:

- Kokko, Iesmo  
90500 Oulu (FI)

**(54) Load control method and apparatus for CDMA cellular system having circuit and packet switched terminals**

(57) A method for operating a cellular communications system of a type that includes a first type of terminal having real-time transmission needs and a second type of terminal having nonreal-time transmission needs. The method includes the steps of (a) determining

at periodic intervals a total amount of capacity required to service the first type of terminals; (b) subtracting the determined amount from a current maximum capacity; and (c) allocating all or some of the remaining capacity, if any, to one or more of the second type of terminals.

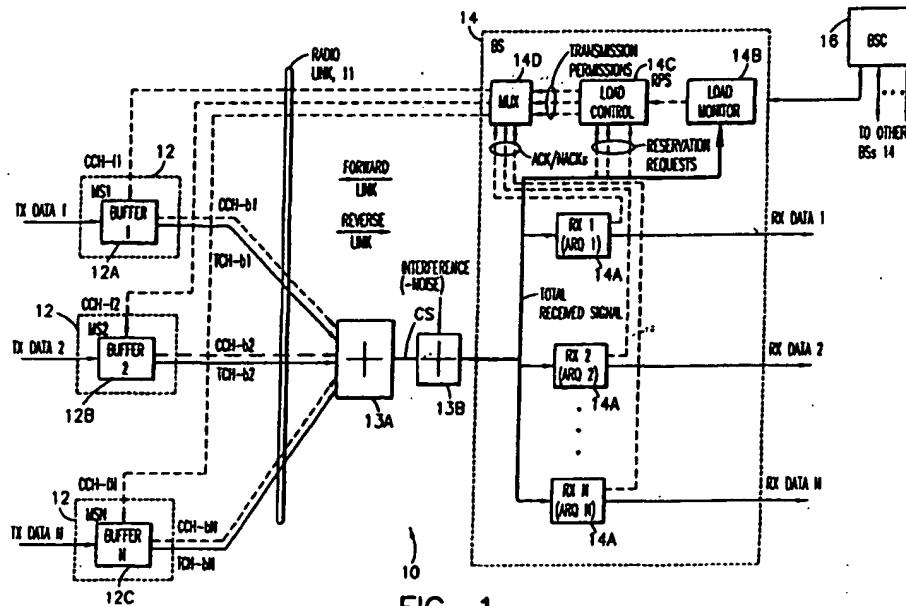


FIG. 1



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.)
X	<p>WEN-BIN YANG ET AL: "ADMISSION POLICIES FOR INTEGRATED VOICE AND DATA TRAFFIC IN CDMA PACKET RADIO NETWORKS" IEEE JOURNAL ON SELECTED AREAS IN COMMUNICATIONS, vol. 12, no. 4, 1 May 1994 (1994-05-01), pages 654-664, XP000588842 ISSN: 0733-8716 * column 4, line 40 - column 7, line 23 * * column 11, line 6 - line 19 * * column 15, line 6 - line 32 * * figure 2 *</p> <p>---</p>	1,2,4,5, 8,17,20, 31,32	H04Q7/38 H04L12/64
X	<p>NAGHSHINEH M ET AL: "QOS PROVISIONING IN MICRO-CELLULAR NETWORKS SUPPORTING MULTIPLE CLASSES OF TRAFFIC" WIRELESS NETWORKS, vol. 2, no. 3, 1 August 1996 (1996-08-01), pages 195-203, XP000625338 ISSN: 1022-0038 * column 2, line 14 - column 3, line 27 * * column 5, line 34 - column 6, line 29 * * column 9, line 36, paragraph 42 * * column 16, line 10 - column 17, line 2 *</p> <p>---</p>	1-3,5, 11,17, 18,20,25	
A	<p>OLIVEIRA C ET AL: "QUALITY-OF-SERVICE GUARANTEE IN HIGH-SPEED MULTIMEDIA WIRELESS NETWORKS" 1996 IEEE INTERNATIONAL CONFERENCE ON COMMUNICATIONS (ICC), CONVERGING TECHNOLOGIES FOR TOMORROW'S APPLICATIONS DALLAS, JUNE 23 - 27, 1996, vol. 2, 23 June 1996 (1996-06-23), pages 728-734, XP000625871 INSTITUTE OF ELECTRICAL &amp; ELECTRONICS ENGINEERS ISBN: 0-7803-3251-2 * column 1, line 35 - column 3, line 53 * * column 6, line 42 - line 57 *</p> <p>---</p> <p>-/-</p>	1-3,5,6, 8,16-18, 20,21,29	
<p>The present search report has been drawn up for all claims</p>			
Place of search	Date of completion of the search	Examiner	
THE HAGUE	12 October 1999	Pecci, R	
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : Intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons B : member of the same patent family, corresponding document	



## EUROPEAN SEARCH REPORT

Application Number

EP 97 30 7132

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
A	EP 0 587 980 A (ROKE MANOR RESEARCH) 23 March 1994 (1994-03-23) * page 10, line 4 - line 19 * * page 12, line 25 - page 15, line 3 *	
A	WO 95 35637 A (NOKIA MOBILE PHONES LTD ;NOKIA TELECOMMUNICATIONS OY (FI); GLISIC) 28 December 1995 (1995-12-28) * page 12, line 25 - page 15, line 3 * * claims 1,7-10 *	
The present search report has been drawn up for all claims		
Place of search	Date of completion of the search	Examiner
THE HAGUE	12 October 1999	Pecci, R
CATEGORY OF CITED DOCUMENTS		
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		
T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons I : member of the same patent family, corresponding document		

**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 97 30 7132

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
The members are as contained in the European Patent Office EDP file on  
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